



ITW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re

Application No.: 10/728,541
Applicant(s): Yoshikazu IKENOUE et al
For: IMAGE FORMING APPARATUS AND COPY
MANAGEMENT SYSTEM
Confirmation No.: 8805
Customer No.: 24367
Docket No.: 05058/16306
Filed: December 5, 2003
Group Art Unit: 2624
Examiner: Tom Y Lu

MAIL STOP AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: **MAIL STOP AMENDMENT**, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

May 23, 2007

Date of Deposit

DOUGLAS A. SORENSEN

Name of Applicant, Assignee, or Registered Representative

Signature

May 23, 2007

Date of Signature

**CORRECTED INFORMATION DISCLOSURE STATEMENT PREVIOUSLY
FILED ON DECEMBER 5, 2003 TO CORRECT A TYPO ON PTO FORM 1449**

The following Information Disclosure Statement was filed with the Application documents on December 5, 2003. Applicants have discovered a typographical error on the PTO Form 1449 submitted with the Application. Specifically, in item (44), the Japanese Patent Application Number was cited as 3-246087 instead of 3-256087. Therefore, Applicants hereby submit a corrected PTO form 1449. Applicants respectfully request that the Examiner re-initial the attached PTO Form 1449 including the correct citation to Japanese Number was cited on the Information Disclosure Statement correctly.

The above-identified U.S. patent application is a division of co-pending U.S. Patent Application Serial No. 10/084,708, filed February 21, 2002; which is a division of co-pending allowed U.S. Patent Application Serial No. 08/911,101 filed August 14, 1997; which is a division of U.S. Patent Application Serial No. 08/893,141, filed July 15, 1997, now U.S. Patent No. 5,987,127; which is a division of U.S. Patent Application Serial No. 08/327,223, filed October 21, 1994, 1994, now U.S. Patent No. 5,671,277; which is a continuation of U.S. Patent Application Serial No. 08/084,408, filed June 29, 1993, abandoned, which claimed priority from Japanese Patent Applications Nos. 4-172617, 4-172621, 4-172659; 4-172672, and 4-172680.

As stated previously, in compliance with the duty of disclosure set forth in 37 C.F.R. § 1.56, Applicants wish to bring the following items to the attention of the Examiner. As each item was cited in a related application, no copy of the documents is enclosed.

No representation is made, and no representation is intended, that more relevant material does not exist, or that the order of presentation of this material in any way reflects its relative pertinence. The references cited below are not intended to constitute an admission of any kind. Specifically, this presentation is not an admission that the items listed below are properly citable against the above-identified application.

The following documents are cited in the specification of the related applications and the present application:

- (1) Watanabe, U.S. Patent No. 4,837,737, issued June 6, 1989;
- (2) Japanese Published Unexamined Patent Application No. (A) 2-052384 (CANON INC), published February 21, 1990;
- (3) Japanese Published Unexamined Patent Application No. (A) 2-111161 (FUJI SHASHIN FILM KABUSHIKI KAISHA), published April 24, 1990;
- (4) Japanese Published Unexamined Patent Application No. (A) 2-120753 (TOSHIBA CORP), published May 8, 1990;

- (5) Japanese Published Unexamined Patent Application No. (A) 2-266759, published October 31, 1990;
- (6) Japanese Published Unexamined Patent Application No. (A) 3-120561 (CANON INC), published May 22, 1991; and
- (7) Yasuhiro Nakamura and Kineo Matsui, "A Unified Coding Method of Image and Text Data Using Three-Level Micro-Patterns", *Gazou Denshi Gakkaishi*, Vol. 17, No. 1 (1988), pgs. 3-9.

Each of the following documents was cited in at least one of the parent applications:

- (8) Morris et al, U.S. Patent No. 1,002,600, issued September 5, 1911;
- (9) Hembrooke, U.S. Patent No. 3,004,104, issued October 10, 1961;
- (10) Wicker, U.S. Patent No. 3,784,289, issued January 8, 1974;
- (11) Merchant, U.S. Patent No. 4,668,597, issued May 26, 1987;
- (12) Allen, U.S. Patent No. 4,739,377, issued April 19, 1988;
- (13) Tung, U.S. Patent No. 4,847,641, issued July 11, 1989;
- (14) Obata et al, U.S. Patent No. 5,212,558, issued May 18, 1993;
- (15) Suzuki et al, U.S. Patent No. 5,216,724, issued June 1, 1993;
- (16) Earl et al, U.S. Patent No. 5,231,663, issued July 27, 1993;
- (17) Masuzaki et al, U.S. Patent No. 5,235,681, issued August 10, 1993;
- (18) Wang, U.S. Patent No. 5,243,655, issued September 7, 1993;
- (19) Bühn et al, U.S. Patent No. 5,245,655, issued September 14, 1993;
- (20) Funada et al, U.S. Patent No. 5,257,119, issued October 26, 1993;
- (21) Vincett et al, U.S. Patent No. 5,299,026, issued March 29, 1994;

- (22) Tow, U.S. Patent No. 5,315,098, issued May 24, 1994;
- (23) Wang et al, U.S. Patent No. 5,337,361, issued August 9, 1994;
- (24) Spannenburg, U.S. Patent No. 5,374,976, issued December 20, 1994;
- (25) Nishikawa, U.S. Patent No. 5,418,602, issued May 23, 1995;
- (26) Ohmura, U.S. Patent No. 5,424,807, issued June 13, 1995;
- (27) Suzuki et al, U.S. Patent No. 5,426,710, issued June 20, 1995;
- (28) Udagawa et al, U.S. Patent No. 5,481,377, issued January 2, 1996;
- (29) Wang et al, U.S. Patent No. 5,489,158, issued February 6, 1996;
- (30) Hasuo et al, U.S. Patent No. 5,583,614, issued December 10, 1996;
- (31) Uchida et al, U.S. Patent No. 5,640,253, issued June 17, 1997;
- (32) Ikenoue et al, U.S. Patent No. 5,671,277, issued September 23, 1997;
- (34) Powell et al, U.S. Patent No. 5,721,788, issued February 24, 1998;
- (34) Ikenoue et al, U.S. Patent No. 5,987,127, issued November 16, 1999;
- (35) Negishi, U.S. Patent No. 6,166,750, issued December 26, 2000;
- (36) Japanese Patent Laid-Open Publication No. (A) 55-123270, (RICOH CO LTD), published September 22, 1980;
- (37) Japanese Published Unexamined Patent Application No. (A) 61-285578 (HITACHI, LTD.), published December 16, 1986;
- (38) Japanese Published Unexamined Patent Application No. (U) 61-204766 (TOPPAN PRINTING CO LTD), published December 24, 1986;
- (39) Japanese Published Unexamined Patent Application No. (A) 62-111800 (DAINIPPON PRINTING CO LTD), published May 22, 1987;

- (40) Japanese Published Unexamined Patent Application No. (A) 62-256046 (RICOH CO., LTD.), published November 7, 1987;
- (41) Japanese Published Unexamined Patent Application No. (A) 2-096276 (HITACHI LTD), published April 9, 1990;
- (42) Japanese Published Unexamined Patent Application No. (A) 2-161477 (CANON INC), published June 21, 1990;
- (43) Japanese Patent Laid-Open Publication No. (A) 2-284189, (CANON INC), published November 21, 1990;
- (44) Japanese Published Unexamined Patent Application No. (A) 3-256087 (FUJITSU LTD), published November 14, 1991;
- (45) Japanese Published Unexamined Patent Application No. (A) 4-009963 (RICOH CO., LTD.), published January 14, 1992;
- (46) Japanese Published Unexamined Patent Application No. (A) 4-343568 (CANON INC), published November 30, 1992;
- (47) Japanese Published Unexamined Patent Application No. (A) 5-219353 (CANON INC), published August 27, 1993;
- (48) "Unauthorized Copy Prevention", IBM Technical Disclosure Bulletin, June 1975, pgs. 59-60;
- (49) "Document Security System for Copy Machines", IBM Technical Disclosure Bulletin, January 1981, pgs. 3550-3551;
- (50) Hara et al, "An Improved Method of Embedding Data Into Pictures by Modulo Masking", IEEE Transactions on Communications, March 1988, Vol. 36, No. 3, pgs. 315-331;
- (51) Tanaka et al, "Embedding Secret Information Into a Dithered Multi-Level Image", MILCOM '90, IEEE, Vol. 1, pgs. 216-220;

- (52) Komatsu et al., "Authentication System Using Concealed Image in Telematics", Memoirs of the School of Science & Engineering, Waseda University, No. 52, pgs. 45-60, 1988;
- (53) Komatsu et al., "A Proposal on Digital Watermark in Document Image Communication and Its Application to Realizing a Signature", Electronics and Communications in Japan, Part 1, Vol. 73, No. 5, 1990 (translation pgs. 22-33);
- (54) Naohisa Komatsu, "Information Security For Facsimile Communication"; Gazo Denshi Gakkaishi (Journal of the Institute of Picture and Electronics Engineers) Vol. 19, No. 4, April 1990, pgs 229-235 and translation (pgs. 1-12);
- (55) Costas S. Xydeas et al, "Embedding Data Into Pictures By Modulo Masking", IEEE Transactions on Communications, Vol. COM-32, No. 1, January 1984, pgs 56-70; and
- (56) Michio Yamada et al, "A Proposal on Secure Document Image Management Facilities Using Smart Card", Proc. of 1989 Autumn Meeting of the Institute of Electronics, Information and Communication Engineers, SD-2-3, September 1989, pgs 223-224 and translation (3 pgs).

As this Information Disclosure Statement is being filed concurrently with the application, no fee is incurred. However, if it should be determined that a fee is required, please charge any required fee (other than the issue fee) during the pendency of this application to Sidley Austin Brown & Wood LLP's Deposit Account No. 18-1260. Please credit any overpayment to Deposit Account No. 18-1260.

Any fee required by this document other than the issue fee, and not submitted herewith should be charged to Sidley Austin LLP Deposit Account No. 18-1260. Any refund should be credited to the same account.

Respectfully submitted,



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May 23, 2007



Substitute for form 1449A/PTO

CORRECTED
INFORMATION DISCLOSURE
STATEMENT BY APPLICANTS

Complete if Known

Application Number	10/728,541
Filing Date	December 5, 2003
Confirmation No.	8805
First Inventor	Yoshikazu IKENOUE et al
Group Art Unit	2624
Examiner Name	Tom Y Lu
Attorney Docket No.	05058/16306

Sheet **1** of **3**

U.S. PATENT DOCUMENTS

Examiner Initials	Cite #	DOCUMENT NUMBER	C O D E	PATENTEE	ISSUE DATE (mm/dd/yy)	CLASS	SUB CLASS	Filing Date if Appropriate
	(1)	4,837,737		Watanabe	06/06/89	364	900	
	(8)	1,002,600		Morris et al	09/05/11			
	(9)	3,004,104		Hembrooke	10/10/61	179	2	
	(10)	3,784,289		Wicker	01/08/74	350	321	
	(11)	4,668,597		Merchant	05/26/87	430	22	
	(12)	4,739,377		Allen	04/19/88	355	133	
	(13)	4,847,641		Tung	07/11/89	346	154	
	(14)	5,212,558		Obata et al	05/18/93	358	296	
	(15)	5,216,724		Suzuki et al	06/01/93	382	7	
	(16)	5,231,663		Earl et al	07/27/93	380	18	
	(17)	5,235,681		Masuzaki et al	08/10/93	395	164	
	(18)	5,243,655		Wang	09/07/93	380	51	
	(19)	5,245,655		Bühn et al	09/14/93	380	18	
	(20)	5,257,119		Funada et al	10/26/93	358	438	
	(21)	5,299,026		Vincett et al	03/29/94	358	401	
	(22)	5,315,098		Tow	05/24/94	235	494	
	(23)	5,337,361		Wang et al	08/09/94	380	51	
	(24)	5,374,976		Spannenburg	12/20/94	355	201	
	(25)	5,418,602		Nishikawa	05/23/95	355	201	
	(26)	5,424,807		Ohmura	06/13/95	355	201	
	(27)	5,426,710		Suzuki et al	06/20/95	382	135	
	(28)	5,481,377		Udagawa et al	01/02/96	358	501	
	(29)	5,489,158		Wang et al	02/06/96	400	103	
	(30)	5,583,614		Hasuo et al	12/10/96	355	201	
	(31)	5,640,253		Uchida et al	06/17/97	358	501	
	(32)	5,671,277		Ikenoue et al	09/23/97	380	7	
	(33)	5,721,788		Powell et al	02/24/98	382	100	
	(34)	5,987,127		Ikenoue et al	11/16/99	380	7	
	(35)	6,166,750		Negishi	12/26/00	347	131	

FOREIGN PATENT DOCUMENTS

Examiner Initials		O F F I C E	NUMBER	C O D E	PUBLICATION DATE (mm/dd/yy)	TRANSLATION Yes No
	(2)	JP	2-052384	A	02/21/90	ABSTRACT ONLY
	(3)	JP	2-111161	A	04/24/90	X

Substitute for form 1449A/PTO				Complete if Known			
<p align="center"><i>CORRECTED</i></p> <p align="center">INFORMATION DISCLOSURE STATEMENT BY APPLICANTS</p>				Application Number	10/728,541		
				Filing Date	December 5, 2003		
				Confirmation No.	8805		
				First Inventor	Yoshikazu IKENOUE et al		
				Group Art Unit	2624		
				Examiner Name	Tom Y Lu		
Sheet	2	of	3	Attorney Docket No.	05058/16306		
FOREIGN PATENT DOCUMENTS							
Examiner Initials		O F F I C E	NUMBER	C O D E	PUBLICATION DATE (mm/dd/yy)	TRANSLATION Yes No	
	(4)	JP	2-120753	A	05/08/90	ABSTRACT ONLY	
	(5)	JP	2-266759	A	10/31/90	x	
	(6)	JP	3-120561	A	05/22/91	ABSTRACT ONLY	
	(36)	JP	55-123270	A	09/22/80		
	(37)	JP	61-285578	A	12/16/86	X	
	(38)	JP	61-204766	U	12/24/86	ABSTRACT ONLY	
	(39)	JP	62-111800	A	05/22/87	ABSTRACT ONLY	
	(40)	JP	62-256046	A	11/07/87	X	
	(41)	JP	2-096276	A	04/09/90	ABSTRACT ONLY	
	(42)	JP	2-161477	A	06/21/90	ABSTRACT ONLY	
	(43)	JP	2-284189	A	11/21/90	ABSTRACT ONLY	
	(44)	JP	3-256087	A	11/14/91		
	(45)	JP	4-009963	A	01/14/92	X	
	(46)	JP	4-343568	A	11/30/92	ABSTRACT ONLY	
	(47)	JP	5-219353	A	08/27/93	ABSTRACT ONLY	
OTHER NON PATENT LITERATURE DOCUMENTS							
Examiner Initials		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published					
	(7)	Yasuhiro Nakamura and Kineo Matsui, "A Unified Coding Method of Image and Text Data Using Three-Level Micro-Patterns", Gazou Denshi Gakkaishi, Vol. 17, No. 1 (1988), pgs. 1-14					
	(48)	"Unauthorized Copy Prevention", IBM Technical Disclosure Bulletin, June 1975, pgs. 59-60					
	(49)	"Document Security System for Copy Machines", IBM Technical Disclosure Bulletin, January 1981, pgs. 3550-3551					
	(50)	Hara et al, "An Improved Method of Embedding Data Into Pictures by Modulo Masking", IEEE Transactions on Communications, March 1988, Vol. 36, No. 3, pgs. 315-331					
	(51)	Tanaka et al, "Embedding Secret Information Into a Dithered Multi-Level Image", MILCOM '90, IEEE, Vol. 1, pgs. 216-220					
	(52)	Komatsu et al., "Authentication System Using Concealed Image in Telematics", Memoirs of the School of Science & Engineering, Waseda University, No. 52, pgs. 45-60, 1988					

Substitute for form 1449A/PTO				Complete if Known	
<p align="center"><i>CORRECTED</i></p> <p align="center">INFORMATION DISCLOSURE STATEMENT BY APPLICANTS</p>				Application Number	10/728,541
				Filing Date	December 5, 2003
				Confirmation No.	8805
				First Inventor	Yoshikazu IKENOUE et al
				Group Art Unit	2624
				Examiner Name	Tom Y Lu
Sheet	3	of	3	Attorney Docket No.	05058/16306
OTHER NON PATENT LITERATURE DOCUMENTS					
Examiner Initials		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			
	(53)	Komatsu et al., "A Proposal on Digital Watermark in Document Image Communication and Its Application to Realizing a Signature", Electronics and Communications in Japan, Part 1, Vol. 73, No. 5, 1990 (translation pgs. 22-33)			
	(54)	Naohisa Komatsu, "Information Security For Facsimile Communication"; <u>Gazo Denshi Gakkaishi (Journal of the Institute of Picture and Electronics Engineers)</u> Vol. 19, No. 4, April 1990, pgs 229-235 and translation (pgs. 1-12)			
	(55)	Costas S. Xydeas et al, "Embedding Data Into Pictures By Modulo Masking", <u>IEEE Transactions on Communications</u> , Vol. COM-32, No. 1, January 1984, pgs 56-70			
	(56)	Michio Yamada et al, "A Proposal on Secure Document Image Management Facilities Using Smart Card", "Proc. of 1989 Autumn Meeting of the Institute of Electronics, Information and Communication Engineers, SD-2-3, September 1989, pgs 223-224 and translation (3 pgs)			
Examiner Signature				Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.